

AGTTCCTGAGGATCTCAAGGAAAGCAGGGTCAGCGAGGAGGCCTGGGGAGAGAGGAGGCATCCTACACCAAT CCTAGAGGCCCCATGCAAGAGGCCCTTGTTTTCCAGGCACTGAGGACCGCAGTCCCTAATTCCTGGC CITIGTGGCCTGCCTAAGGGAAACAGGAGGGCCATGACAGCTATGC

ATTGCGGCGAGCCAGACAGGCACAGCGGCGGGCAGAAAGCATCTTTGCAACTGAATCAGCAGCAGAAA CCTGCAGGTTGCAGAAGTGTCTAAATGTTGGCATGAAGAAAAAGACATGATACTGTCAGCAGAAGCCCTGGC CACAGGCTATCATITCCACGCCCTGACTTGTGAGGGCTGCAAGGGCTTCTTCAGACGAACAGTCAGAAA ACCATTGGTCCCATCTGTCCGTTTGCTGGAAGGTGTGAGGTCAGCAAGGCCCAGAGACGCCACTGTCCAG CGCAGTCCATGCAGGGTTCCAGTACGAGTTTTTGGAGTCGATCCTCCACTTCCATAAAAACCTGAAAGGA AAAGCTGATGGGCCTGCTGGCTGACCTCCGGAGTATAAACAATGCATACTCCTATGAACTTCAGCGCTTG GAGGAACTGTCTGCTATGACGCCGCTGCTCGGGGAGATTTGCAGTTGAGGCCCAGGCTTGCATCCTTTCC CACACACTITIGCAGATATCAACACGITTATGGTGCAACAGATCATCAAGTTCACCAAGGATCTGCCGCTC TTCCGGTCCCTAACCATGGAGGACCAGATCTCCCTTCTCAAGGGAGCGGCTGTGGAAATATTGCATATCT GAACTGGTCCAGATCCTCCTGGGGGCCCACACTCGCCATGTGGGCCCATTGTTTGACCAGTTTGTGCAGT CACTCAACACTACGTTCTGTCTTCAAACAGAGAATTTCTTGTGGGGCCTCTTTGCTACAAGATGGAGGA CTGCATCTCCAGGAGCCTGAGTATGTGCTCATGCCTGCCACGGCCCTCTTCTCCCTGGTTTCTGTATGC TCAAGCCTCCAGCCTATCTGTTCATGCATCACCGGCCTTTCCAGCCTCGGGGCCCCGTGTTGCCTCTGCT GAGTGGCAATGAAATGCTGAACAGT (SEQ ID NO:1)

MTAMILTLETMASEEEYGPRNCVVCGDRATGYHFHALTCEGCKGF FRRTVSKTIGPICPFAGRCEVSKAQRRHCPACRLQKCLNVGMRKDM ILSAEALALRRARQAQRRAEKASLQLNQQQKELVQILLGAHTRHVG PLFDQFVQFKPPAYLFMHIRPFQPRGPVLPLLTHFADINTFMVQQIIK FTKDLPLFRSLTMEDQISLLKGAAVEILHISLNTTFCLQTENFFCGPLC YKMEDAVHAGFQYEFLESILHFHKNLKGLHLQEPEYVLMAATA LFSPGFCMQS (SEQ ID NO:2)

Construct

Gl Number(s): 2267577

Gene Family:

Nuclear Hormone Receptor

Gene

Orphan NHR

Subfamily:

Gene Sequence: full-length cDNA, Mouse

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

ACCGAGGATACCTAGAGGCCCCATGCAAGAGAGGCCCTTGTTTTCCAGGCACTGAGGAC CGCAGTCCCTAATTCCTGGCAGTTCCTGAGATCTCAAGGAAAGCAGGGTCAGCGAGGAGG TGCTGGAAGGTGTGAGGTCAGCAAGGCCCAGAGACGCCACTGTCCAGCCTGCAGGTTGCA GAAGTGTCTAAATGTTGGCATGAGGAAAGACATGTCAGCAGAAGCCCTGGCATT GCGGCGAGCCAGACAGGCACAGCGGCGGGCAGAGAAAGCATCTTTGCAACTGAATCAGCA GCAGAAAGAACTGGTCCAGATCCTCCTGGGGGCCCACACTCGCCATGTGGGCCCATTGTT TGACCAGTTTGTGCAGTTCAAGCCTCCAGCCTATCTGTTCATGCATCACCGGCCTTTCCA GCCTCGGGGCCCCGTGTTGCCTCTGCTCACACACTTTGCAGATATCAACACGTTTATGGT GCAACAGATCATCAAGTTCACCAAGGATCTGCCGCTCTTCCGGTCCCTAACCATGGAGGA GTTCTGTCTTCAAACAGAGAATTTCTTCTGTGGGCCTCTTTGCTACAAGATGGAGGACGC AGTCCATGCAGGGTTCCAGTACGAGTTTTTTGGAGTCGATCCTCCACTTCCATAAAAACCT GAAAGGACTGCATCTCCAGGAGCCTGAGTATGTGCTCATGGCTGCCACGGCCCTCTTCTC GCATACTCCTATGAACTTCAGCGCTTGGAGGAACTGTCTGCTATGACGCCGCTGCTCGGG GAGATTTGCAGTTGAGGCCCAGGCTTGCATCCTTTCCCCAGACCCCCAGGGATACACTGG CCTGGAAAGGGTACAGCGCTGGACCCCACACAGCAGAAGGAGCTTGGGAGTGGCAATGAA ATGCTGAACAGT

Gene Sequence
Structure *

Size of full-length
cDNA: 1332 bp

282 bp
Sequence Deleted 403 bp

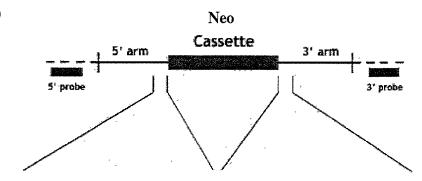
Targeting Vector* (genomic sequence)

Construct Number: 138

Arm Length: 5': 3.5 kb 3': 1.9 kb

_____ Targeting Vector __ _ _ - Endogenous Locus

* Not drawn to scale



5'>TTGGAGGCCAGAGACAAAAAG CAACATTTTTGCTTTTAATGTCCT CAGTGCTGGGGAGCCCGGTGTCAG GCTGGGCAGTCTTGGGAAGAGATT CTGTAGAGGAGAGAGAGAGTC CTATGGCCCAGTGCTGATTCTCAA CTCCTCCCACATTCAGGAGACCAT GACAGCTATGCTAACA: TAGAAAC CATGGCCAGTG<3'

(SEQIDNO:3)

5'>GGTCCCATCTGTCCGTTTGCT GGAAGGTGTGAGGTCAGCAAGGCC CAGAGACGCCACTGTCCAGCCTGC AGGTTGCAGAAGTGTCTAAATGTT GGCATGAGGAAAGACAGTGAGTTG GTCCCTACCGTTCCAGGAGTCCAT TGGTGCTTCTCTGCTTTTGTTCAG GTTCCCACAGCAGGCAGAGTGAGC TGTTGGAAACC<3'

(3E9 ED NO:4)

FIG. 2B

necropsy - spleen weight/body weight

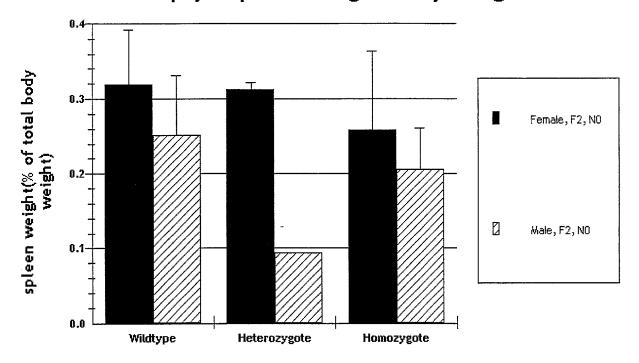


FIG. 3

necropsy - thymus weight/body weight

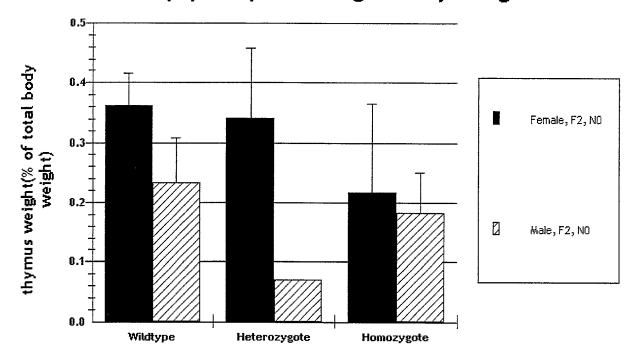


FIG. 4